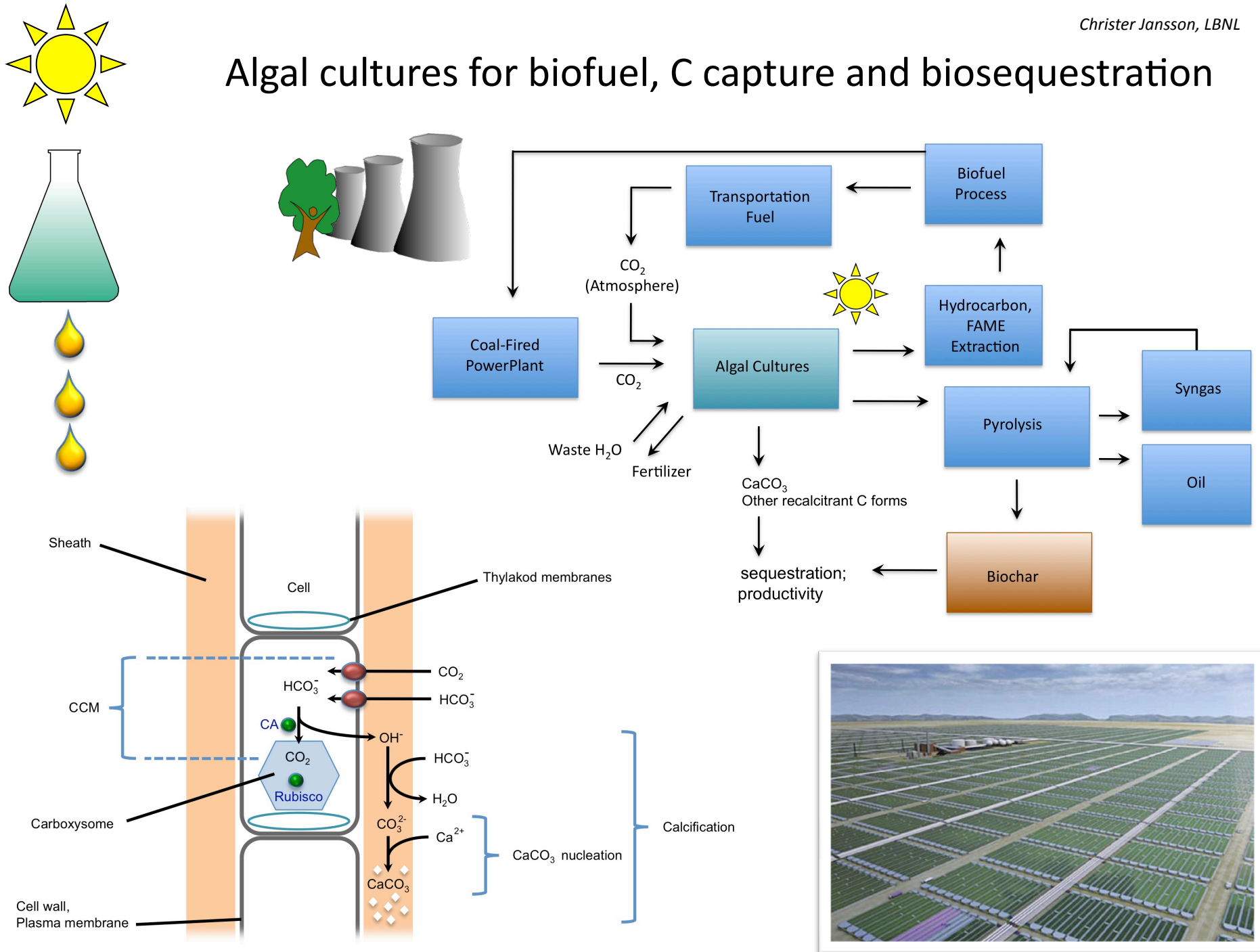


Algal cultures for biofuel, C capture and biosequestration



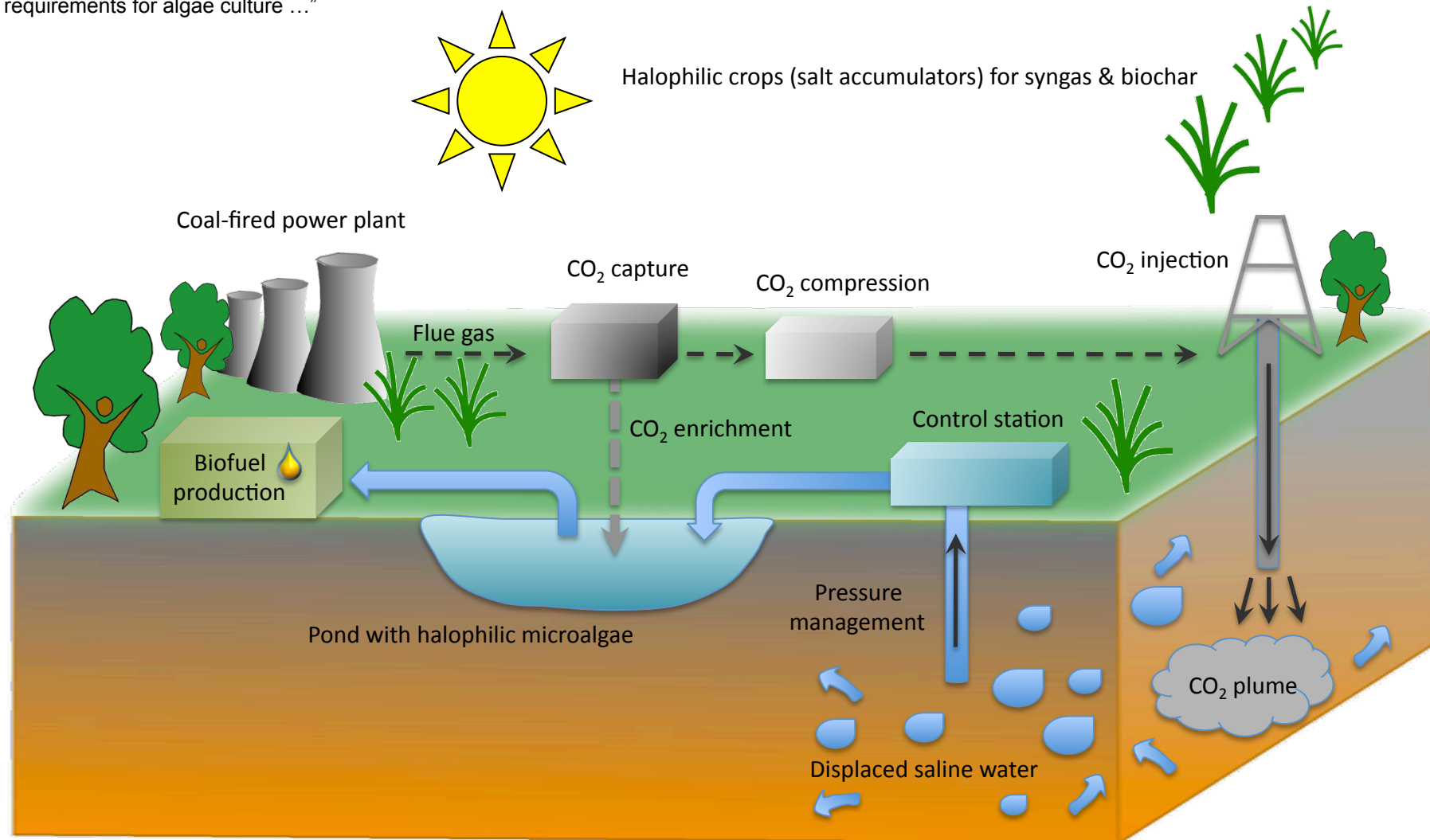
Algae and CCS

"... it takes 600 gallons of water to drive a mile on ethanol"

"Furthermore the algae have to be able to grow in saline water because of the very large water requirements for algae culture ..."

Algal cultures with halophilic (& thermotolerant) strains

- Capture CO₂ from power plant
- Use saline water displaced from CO₂ injections
- Produce hydrocarbons, biodiesel, butanol that offset fossil fuel demands
- Produce recalcitrant C forms for long-term C sequestration



The Berkeley Algal Science Center

LBNL-Scripps-JGI Technology Pipeline

